IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	09/831,123	Confirmation No. 8722
Applicant	:	Kinkade et al.	
Filed	:	August 13, 2001	
TC/A.U.	:	1641	
Examiner	:	Cook, Lisa V.	
For	:	BIOMARKERS FOR OXIDATIVE STRESS	
Docket No.	:	68-97	
Customer No.	:	23713	

DECLARATION OF JOSEPH M. KINKADE, JR. AND NGOC-ANH LE

We hereby declare as follows:

1. That we, together with Raymond Shapira, Peter E. Jensen, Jan Pohl and W. Virgil Brown, are inventors of the invention claimed in the above-referenced patent application.

2. That we have read and understand the above-referenced application, including the claims.

3. That we obtained hybridoma supernatants using the same procedures as given in the above-referenced specification on pages 39-46. The hybridoma supernatants were screened with performic acid oxidized OVA (PAoxOVA) and performic acid oxidized BSA (PAoxBSA) as described in the above-referenced specification on page 43 using five 96-well plates. 48 wells showed good to very high activity (range was about 5-388 mOD units/min in the kinetic assay; background was about 1 mOD unit/min). The active wells were subcloned but the experiment became contaminated.

4. That we carried out two additional separate and independent immunizations and fusions using the same procedure as given in the above-referenced specification on pages 39-46 and the resulting clones were designated, respectively, K1 or K2. Three clones that originated from the first fusion: K1.12.1, K1.12.6 and K1.12.H5 showed good activity (see table below). Clone K2.A12 was used as a negative control. The target was (PAoxOVA).

Clone	Activity (mOD/min);mean of four wells
K1.12.1	50.2
K1.12.6	63.5
K1.12.H5	70.8
K2.A12	1.6

The results in the Table below show data obtained for clones that originated from the second fusion using two different targets.

Clone	Target on ELISA	Activity mean of 4 wells; fold increase over background
K2.F1.1	PAoxOVA	258
	PAoxBSA	593
K2.F1.3	PAoxOVA	630
	PAoxBSA	687
K2.F1.6	PAoxOVA	369
	PAoxBSA	514

5. All statements made herein of my knowledge are true and all statements made on information and belief are believed to be true; and further, these statements are made with knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: 1-27-2004

Joseph M. Kinkade, Jr.
JOSEPH M. KINKADE, JR.

Dated: _____

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NGOC-ANH LE

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Dated: _____

JOSEPH M. KINKADE, JR.

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